

Assistant Commissioner of Patents & Trademarks  
Washington, D.C. 20231

**AMENDMENT B UNDER RULE 116**

Dear Sir:

This Amendment is being filed in response to the Final Action mailed December 18, 2002.

**Please amend the Application as follows:**

**IN THE CLAIMS:**

**Please amend claims 17 and 31 to read as follows:**

17. (Twice Amended) A laser cavity comprising:

a substrate made of a doped or undoped active laser material  $\text{Y}_3\text{Al}_5\text{O}_{12}$  (YAG) on which a monocrystalline layer of saturable absorbent material made of doped YAG is deposited directly by liquid phase epitaxy, in which said active laser material has a [100] orientation, and said monocrystalline layer of saturable absorbent material is deposited with the same [100] orientation;

an entry mirror deposited directly on the active laser material substrate; and

an exit mirror deposited on the monocrystalline layer of saturable absorbent material;

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